

Claims

[c1] What is claimed is:

1.A method of dialing a emergency telephone number using a mobile station, the mobile station having a database containing a plurality of Local Emergency Call Numbers (LECAN) corresponding to a specific geographic location, the method comprising:
displaying a list of local emergency services for the current geographic location;
selecting one of the local emergency services;
retrieving a first local emergency telephone number associated with the selected local emergency service;
upgrading connection priority of the mobile station to a mobile phone network from basic telephone call priority to emergency telephone call priority; and
making a first telephone connection with the first local emergency telephone number using the emergency telephone call priority.

[c2] 2.The method of claim 1 wherein before making a first telephone connection, the method further comprises the mobile phone network verifying that the first local emergency telephone number is part of the LECAN database

of the current geographic location.

- [c3] 3.The method of claim 1 wherein each LECAN database has a corresponding location ID based on one or more items selected from the group consisting of a Mobile Country Code (MCC), a Mobile Network Code (MNC), a Location Area Code (LAC), and a Routing Area Code (RAC).
- [c4] 4.The method of claim 3 wherein each LECAN database has a corresponding language associated with the LECAN database based on the location ID.
- [c5] 5.The method of claim 3 wherein the mobile station contains a first nonvolatile memory, and when the mobile station moves to a new location with a different MCC, MNC, LAC, or RAC, the mobile station loads a new LECAN database corresponding to the new location into the first nonvolatile memory.
- [c6] 6.The method of claim 5 wherein the mobile station downloads the new LECAN database into the first nonvolatile memory after moving to the new location.
- [c7] 7.The method of claim 5 wherein the mobile station copies the new LECAN database into the first nonvolatile memory from a second nonvolatile memory of the mobile station containing a list of global LECAN databases.

- [c8] 8.The method of claim 1 further comprising dialing a second local emergency telephone number associated with the selected local emergency service if the mobile station does not connect to the first local emergency telephone number within a predetermined period of time.
- [c9] 9.A method of upgrading priority of a local emergency call made with a mobile station, the mobile station having a database containing a plurality of Local Emergency Call Numbers (LECAN) corresponding to a specific geographic location, the method comprising:
 - dialing a local emergency telephone number with the mobile station;
 - a mobile phone network verifying that dialed local emergency telephone number is part of the LE CAN database of the current geographic location;
 - if the dialed local emergency telephone number is located in the LE CAN database of the current geographic location, upgrading connection priority of the mobile station to the mobile phone network from basic telephone call priority to emergency telephone call priority;
 - and
 - making a telephone connection with the local emergency telephone number using the emergency telephone call priority.

- [c10] 10.The method of claim 9 wherein each LECAN has a corresponding location ID based on one or more items selected from the group consisting of a Mobile Country Code (MCC), a Mobile Network Code (MNC), a Location Area Code (LAC), and a Routing Area Code (RAC).
- [c11] 11.The method of claim 10 wherein each LECAN has a corresponding language associated with the LECAN based on the location ID.
- [c12] 12.The method of claim 10 wherein the mobile station contains a first nonvolatile memory, and when the mobile station moves to a new location with a different MCC, MNC, LAC, or RAC, the mobile station loads a new LECAN database corresponding to the new location into the first nonvolatile memory.
- [c13] 13.The method of claim 12 wherein the mobile station downloads the new LECAN database into the first non-volatile memory after moving to the new location.
- [c14] 14.The method of claim 12 wherein the mobile station copies the new LECAN database into the first nonvolatile memory from a second nonvolatile memory of the mobile station containing a list of global LECAN databases.